

CHERN and RONALD
Application No.: 09/294,539
Page 2

PATENT

Please add new claims 70-79 as follows.

Amended claims:

1. (Once Amended) An isolated nucleic acid construct comprising a polynucleotide sequence encoding a polypeptide at least 80% identical to SEQ ID NO:4, wherein the polynucleotide sequence, when introduced into a plant, enhances resistance to pathogens compared to resistance of a plant not transformed with the polynucleotide sequence, and

wherein a first amino acid sequence comprising the polypeptide binds with a second amino acid sequence comprising SEQ ID NO:2 in a yeast two-hybrid binding assay.

31. (Once Amended) A transgenic plant comprising a recombinant expression cassette comprising a plant promoter operably linked to a polynucleotide sequence encoding a polypeptide at least 80% identical to SEQ ID NO:4, wherein the polynucleotide sequence, when introduced into a plant, enhances resistance to pathogens compared to resistance of a plant not transformed with the polynucleotide sequence, and

wherein a first amino acid sequence comprising the polypeptide binds with a second amino acid sequence comprising SEQ ID NO:2 in a yeast two-hybrid binding assay.

60. (Once Amended) A method of enhancing resistance to pathogens in a plant, the method comprising

1) introducing into the plant a recombinant expression cassette comprising a plant promoter operably linked to a polynucleotide sequence, wherein the polynucleotide sequence encodes a polypeptide at least 80% identical to SEQ ID NO:4, wherein a first amino acid sequence comprising the polypeptide binds with a second amino acid sequence comprising SEQ ID NO:2 when assayed in a yeast two-hybrid binding assay; and

CHERN and RONALD
Application No.: 09/294,539
Page 3

PATENT

2) selecting a plant with enhanced resistance compared to resistance of a plant not transformed with the recombinant expression cassette.

New claims:

70. (New) The construct of claim 1, wherein the promoter is constitutive.
71. (New) The construct of claim 1, wherein the promoter is inducible.
72. (New) The construct of claim 1, wherein the promoter is tissue-specific.
- 13 73. (New) The transgenic plant of claim 31, wherein the plant promoter is constitutive.
- 14 74. (New) The transgenic plant of claim 31, wherein the plant promoter is inducible.
- 15 75. (New) The transgenic plant of claim 31, wherein the plant promoter is tissue-specific.
- 18 76. (New) The method of claim 60, wherein the plant promoter is constitutive.
- 19 77. (New) The method of claim 60, wherein the plant promoter is inducible.
- 20 78. (New) The method of claim 60, wherein the plant promoter is tissue-specific.